

Microprocessor Controlled Signal
Switching

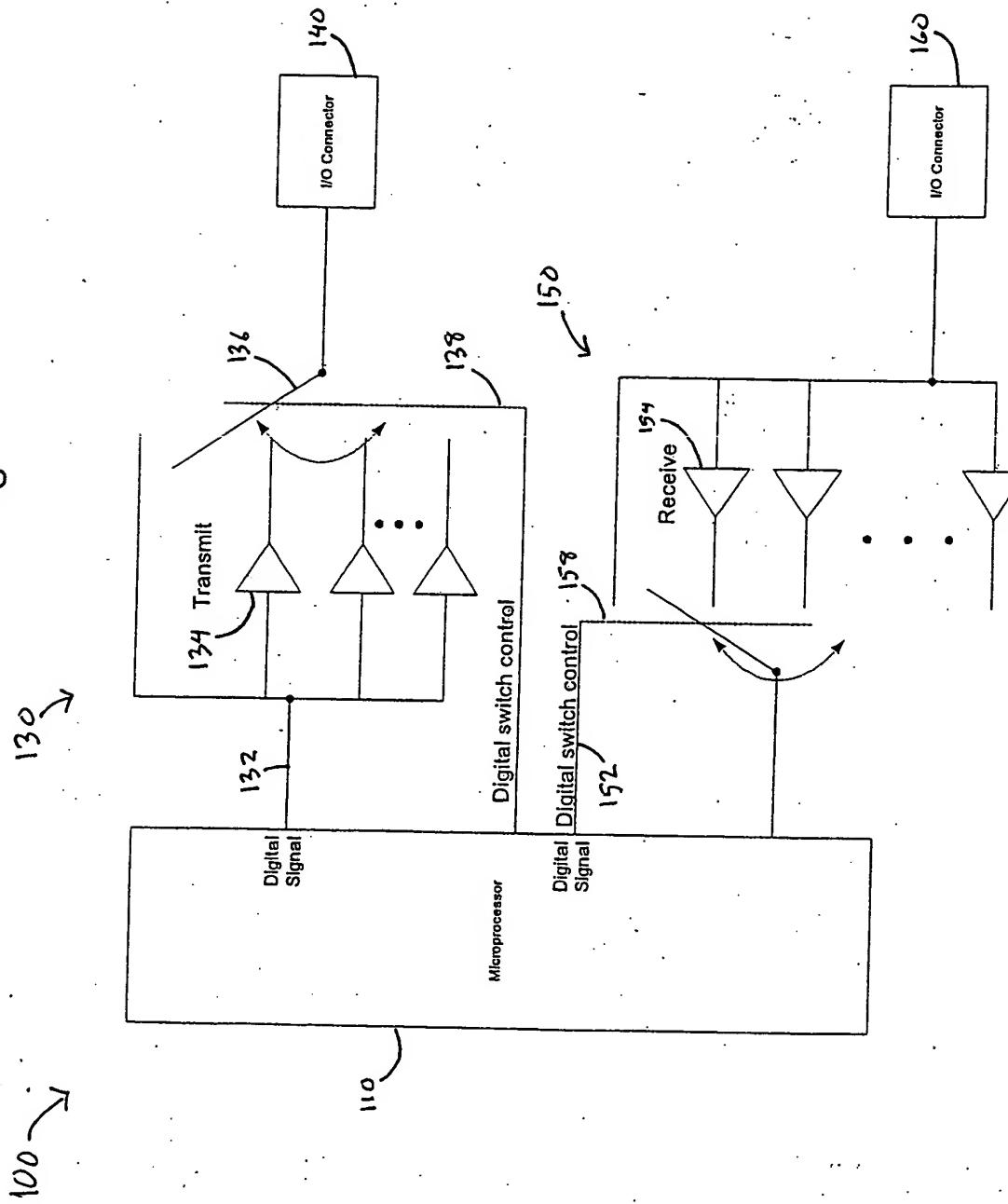


FIG. 1

MULTIFUNCTIONAL NETWORK INTERFACE NODE
WARREN ET AL.
ATTORNEY DOCKET NO. 12500CON

2/9

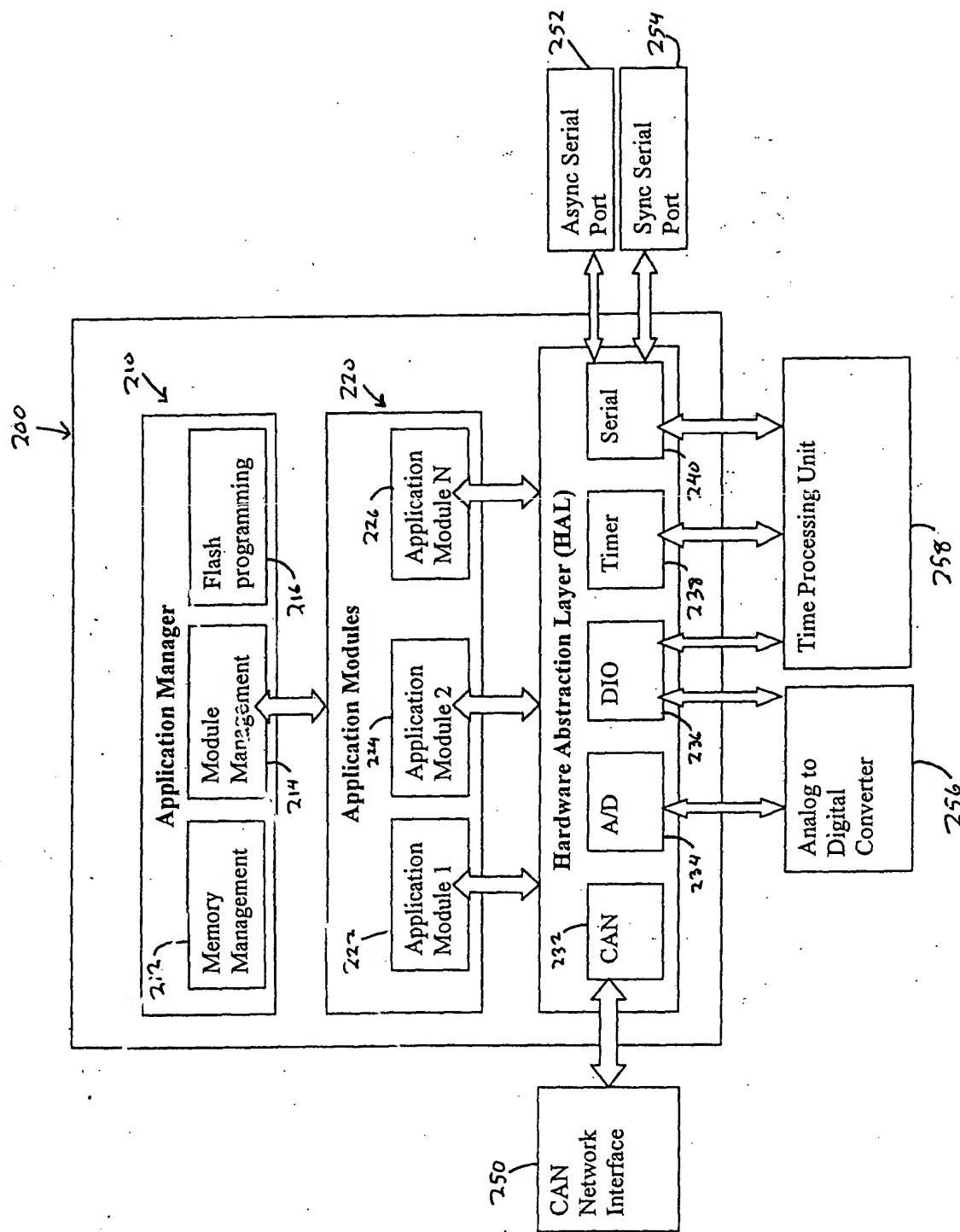


Fig. 2a

MULTIFUNCTIONAL NETWORK INTERFACE NODE
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 ATTORNEY DOCKET NO. 12500CON

3/9

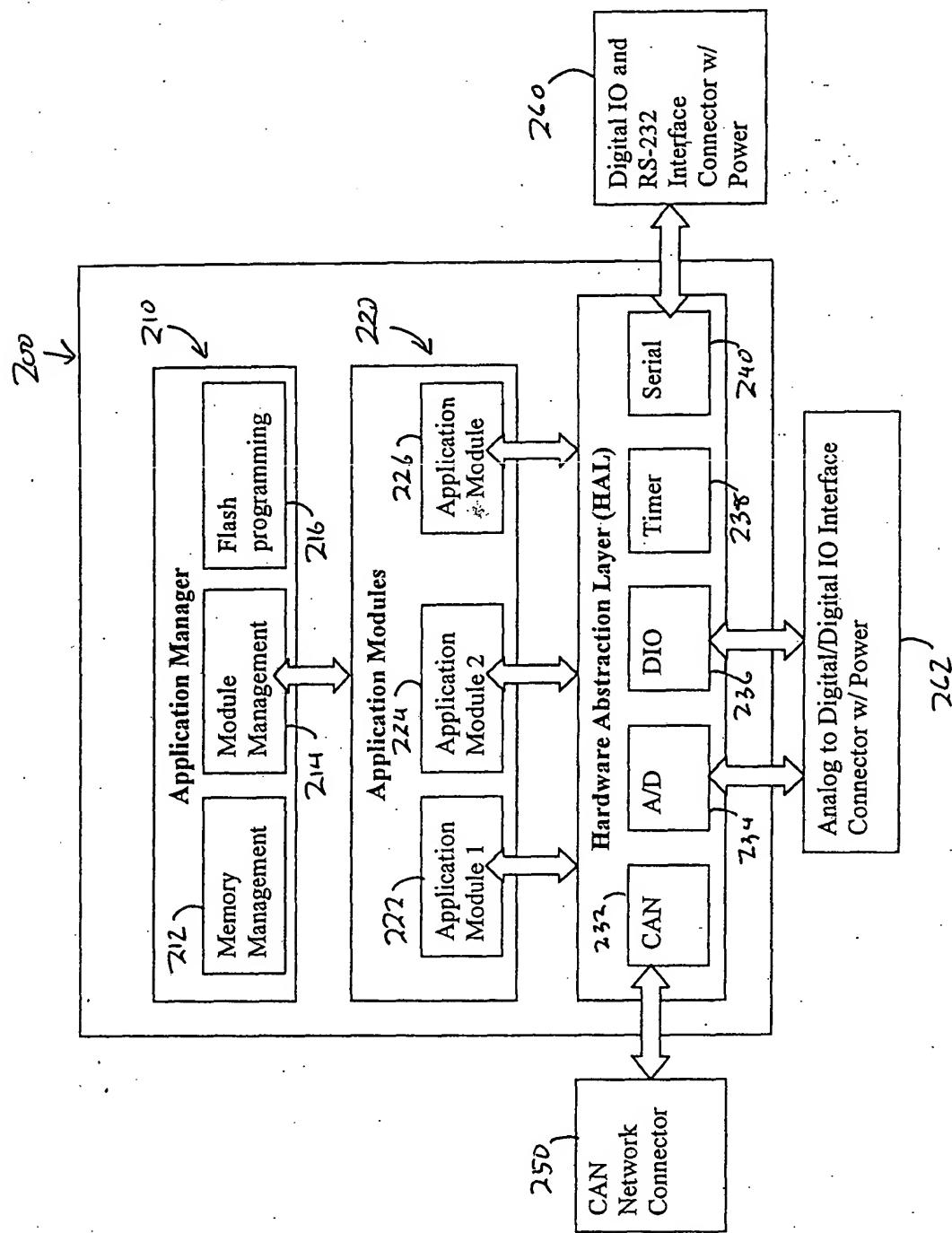
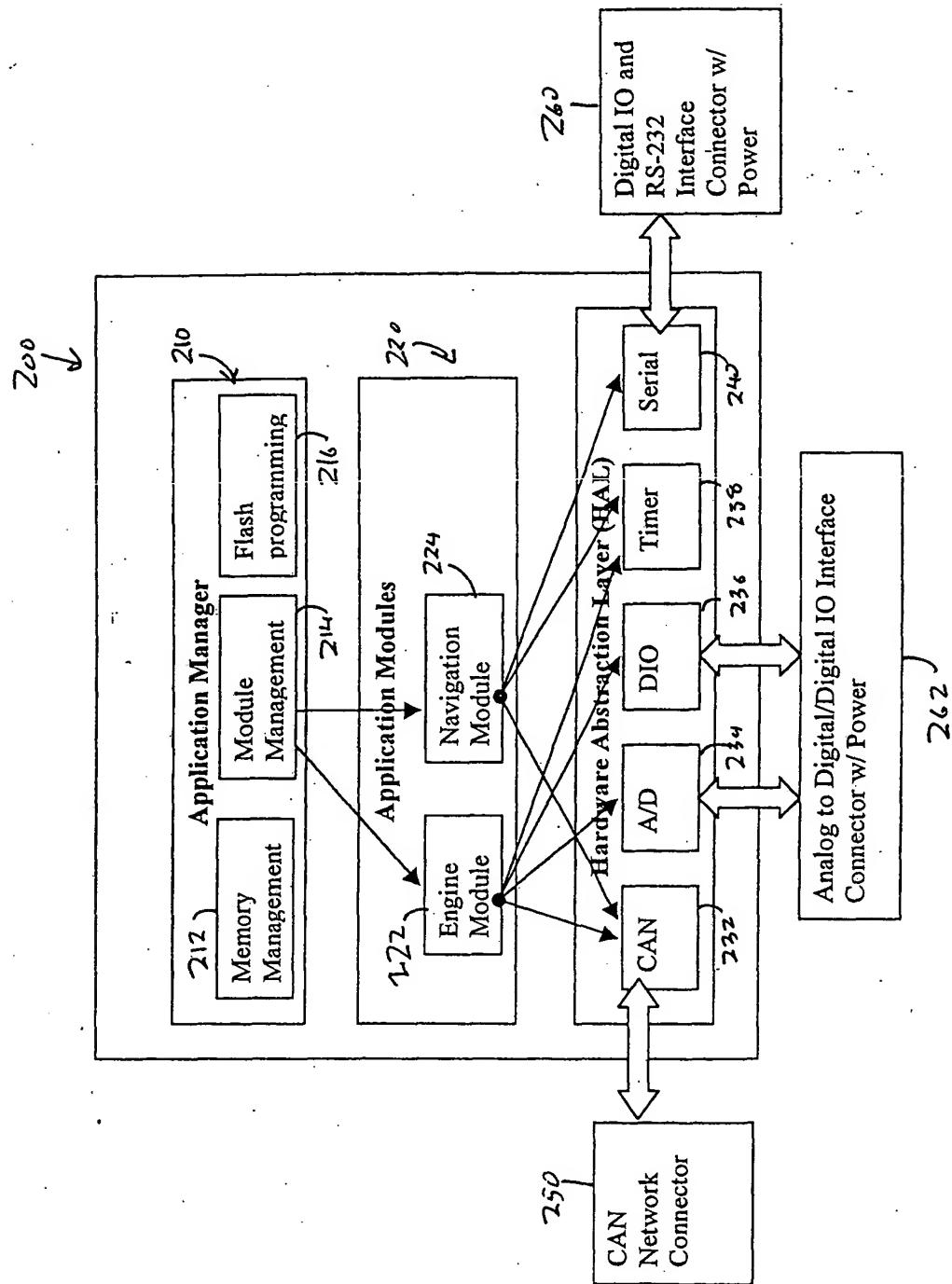


Fig. 2b

MULTIFUNCTIONAL NETWORK INTERFACE NODE
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4/9



MULTIFUNCTIONAL NETWORK INTERFACE NODE
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Node Block Diagram

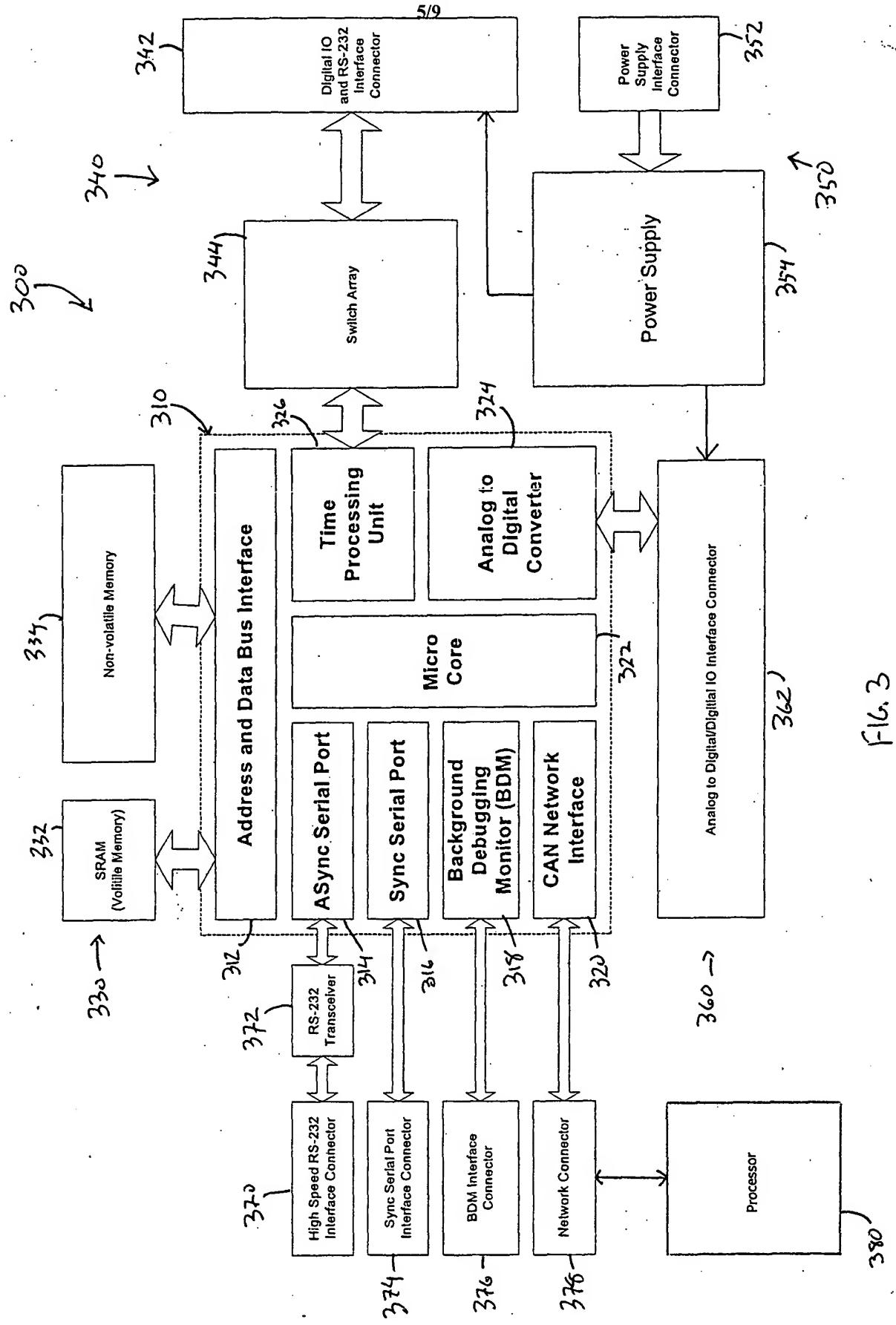


Fig. 3

Node as Sensor Interface and RS-232/Digital
 Interface (No Interface Circuitry)

400

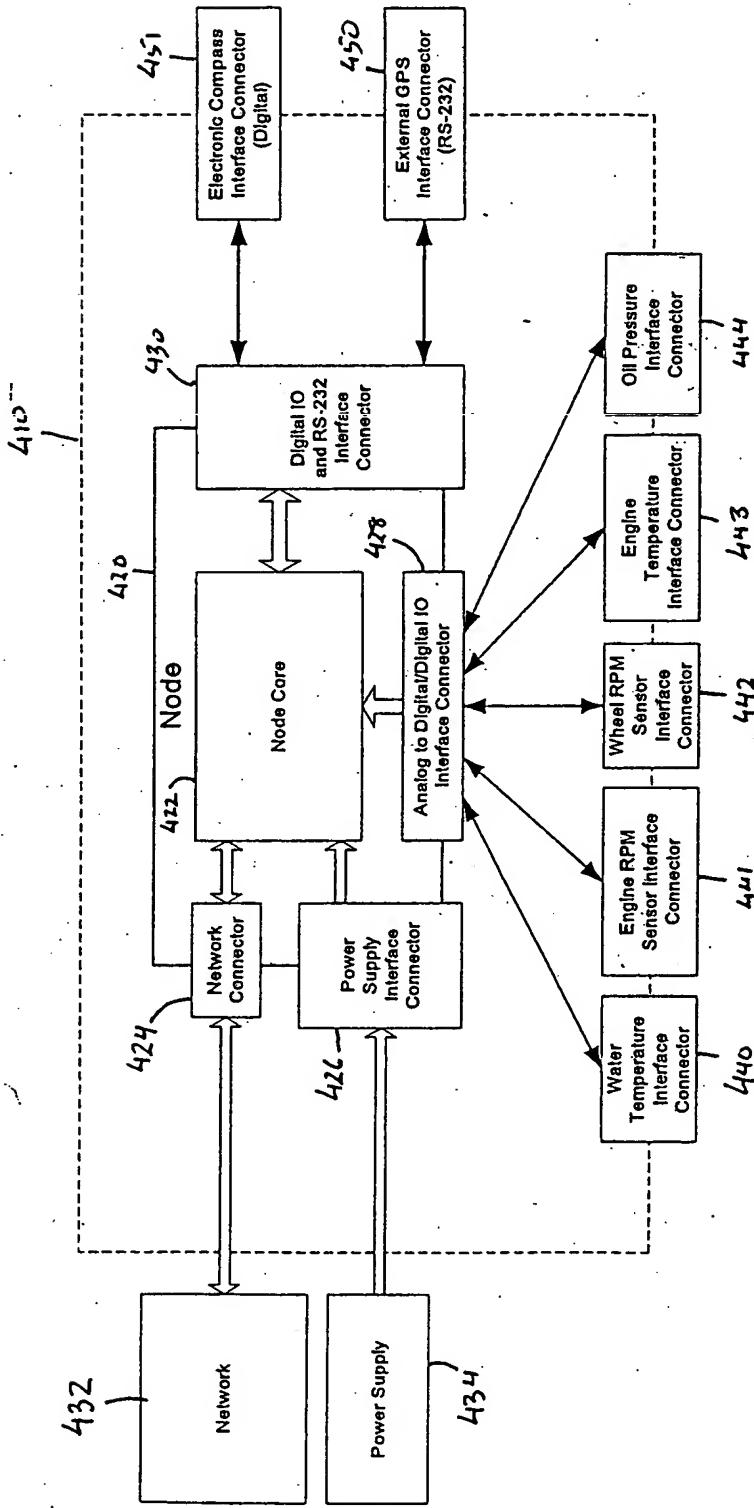


FIG. 4a

462
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 Node as Power Switch Node (No
 Interface Circuitry)

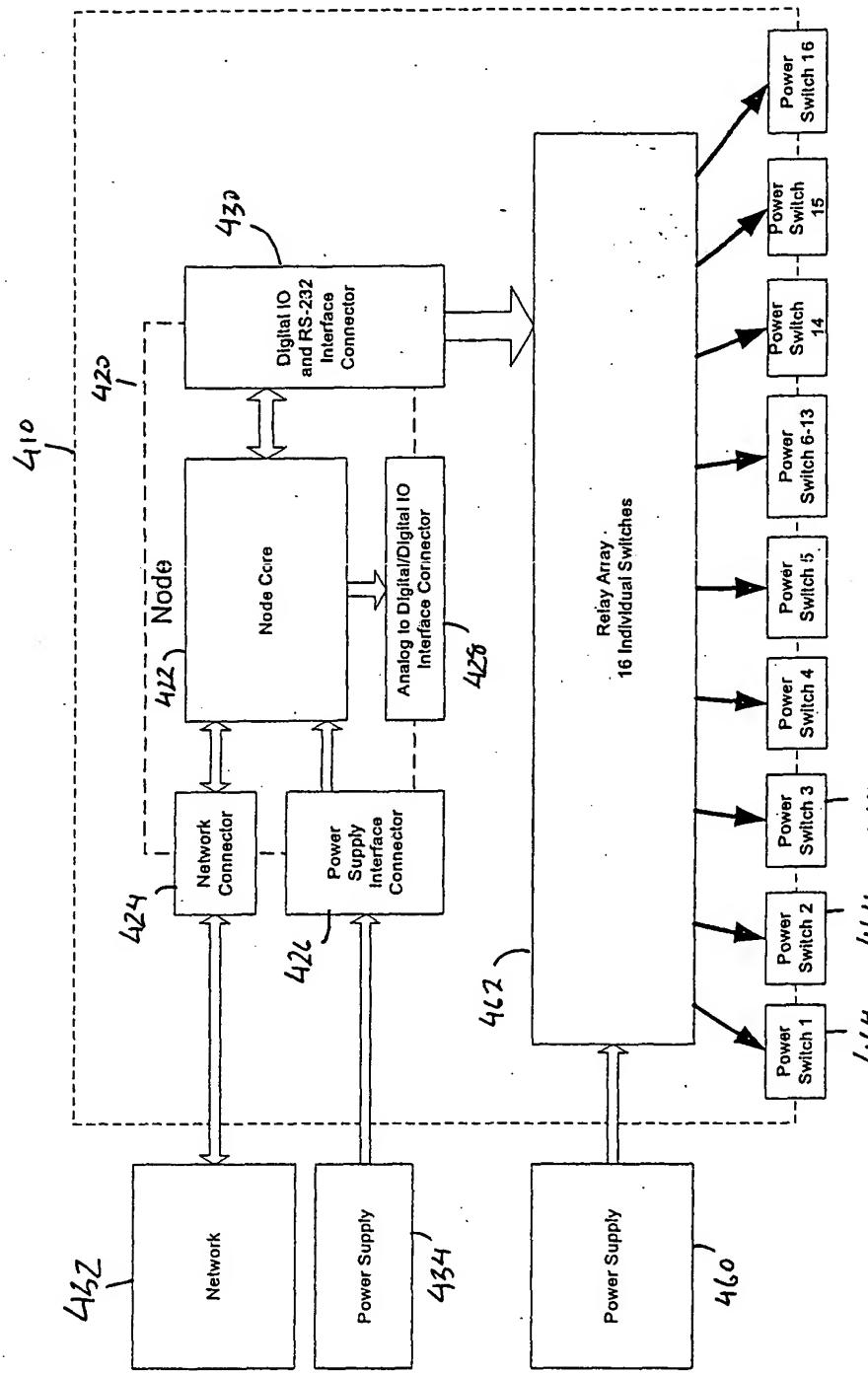


Fig. 46

404
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Node as GPS Node
(No Interface Circuitry)

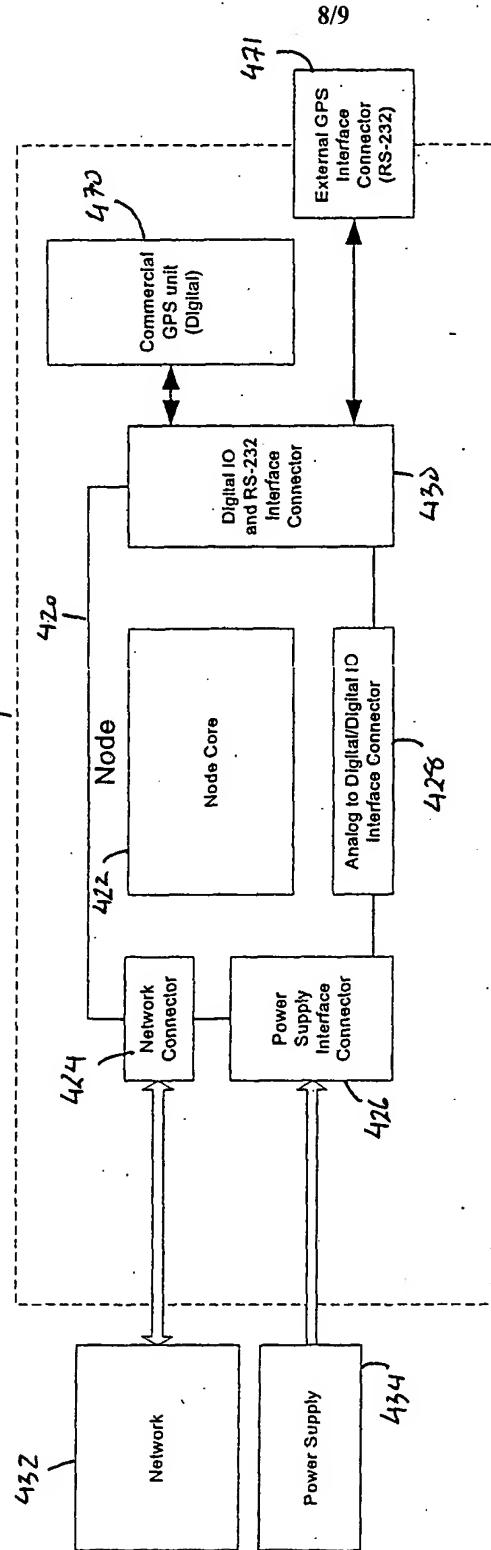


Fig. 4c

MULTIFUNCTIONAL NETWORK INTERFACE NODE
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ATTORNEY DOCKET NO. 12500CON

9/9

406
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Node as Video Switch
with Interface Circuitry

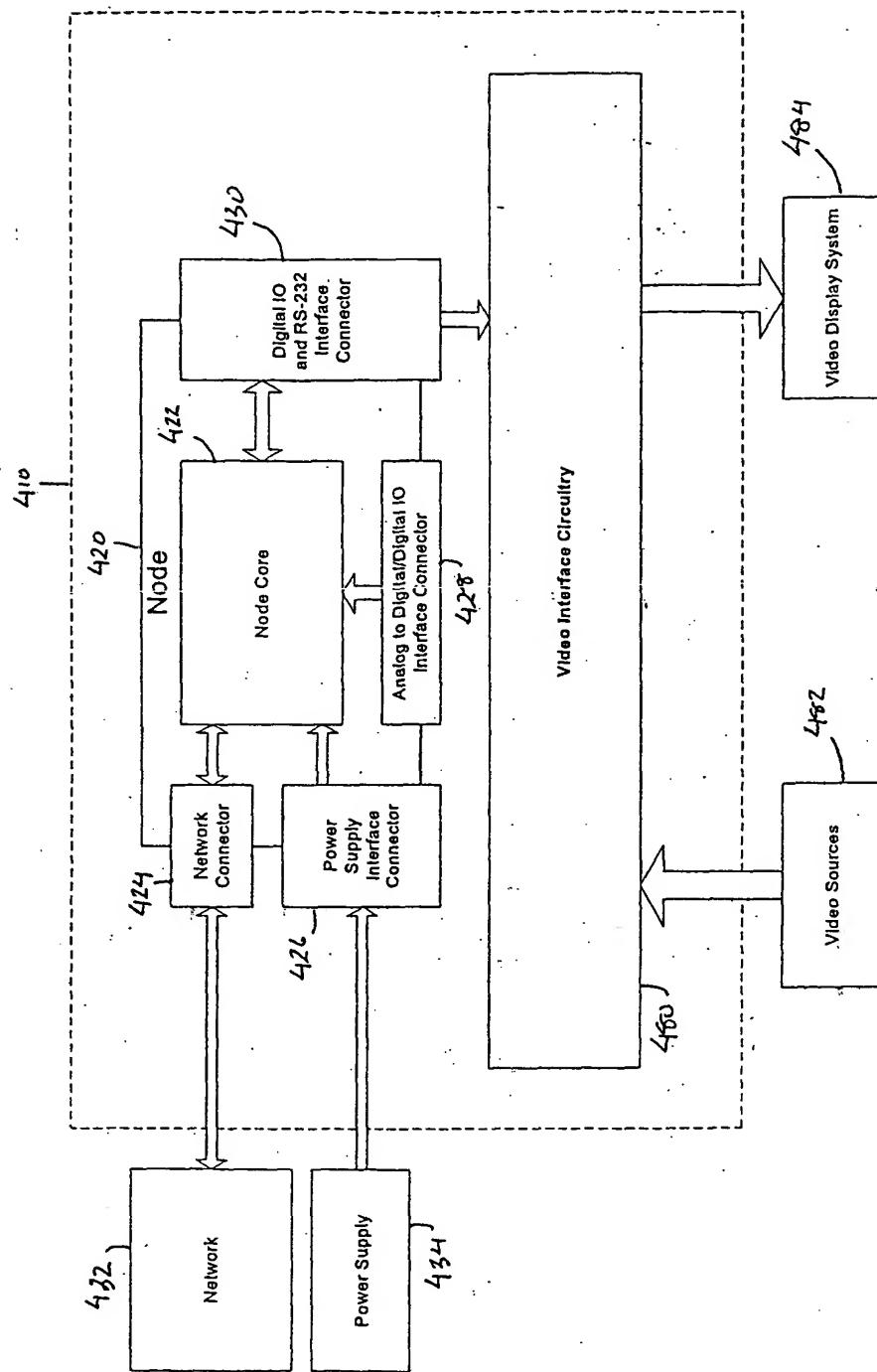


FIG. 4A